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(54) Title: **ORGANO-SILSESQUOXANE POLYMERS FOR FORMING LOW-K DIELECTRICS**

(57) Abstract: A low dielectric constant polymer, comprising monomeric units derived from a compound having the general formula  $I(R^1-R^2)_n-Si-(X^1)_{4-n}$ , wherein each  $X^1$  is independently selected from hydrogen and inorganic leaving groups,  $R^2$  is an optional group and comprises an alkylene having 1 to 6 carbon atoms or an arylene,  $R^1$  is a polycycloalkyl group and  $n$  is an integer 1 to 3. The polymer has excellent electrical and mechanical properties.



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